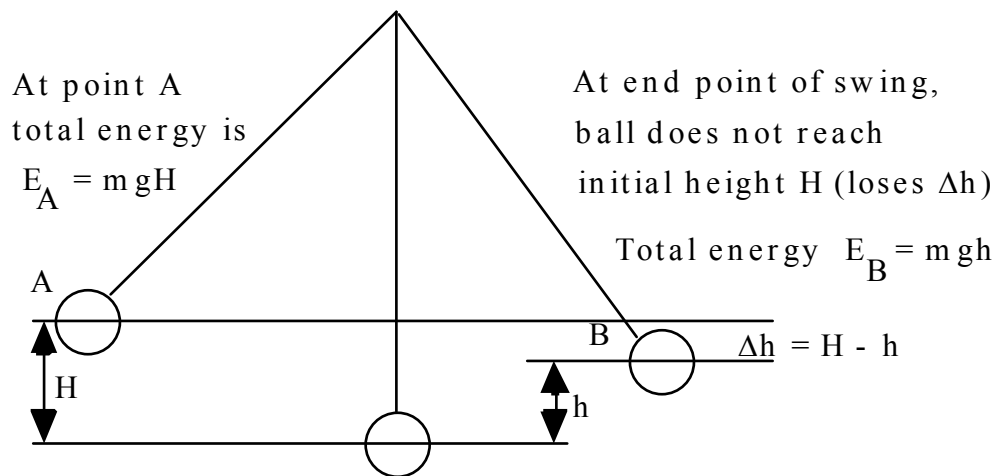


Example #18: In the following system, if $H = 25$ cm and $h = 23$ cm, what is the efficiency?



$$\text{At start "A": } E_t = E_p = m(9.8)(.25) = 2.45 \text{ m}$$

$$\text{At "B": } E_p = m(9.8)(.23) = 2.254 \text{ m}$$

$$\text{Eff.} = \frac{E_p}{E_t} \times 100 = \frac{2.254 \cancel{\text{m}}}{2.45 \cancel{\text{m}}} \times 100$$

$$\boxed{\text{Eff} = 92\%}$$